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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Feb 24	PCTGEN now available on STN
NEWS 4	Feb 24	TEMA now available on STN
NEWS 5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 6	Feb 26	PCTFULL now contains images
NEWS 7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 8	Mar 24	PATDPAFULL now available on STN
NEWS 9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 10	Apr 11	Display formats in DGENE enhanced
NEWS 11	Apr 14	MEDLINE Reload
NEWS 12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 13	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 15	Apr 28	RDISCLOSURE now available on STN
NEWS 16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 18	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 19	May 19	Simultaneous left and right truncation added to WSCA
NEWS 20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS 22	Jun 06	PASCAL enhanced with additional data
NEWS 23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS 24	Jun 25	HSDB has been reloaded
NEWS 25	Jul 16	Data from 1960-1976 added to RDISCLOSURE

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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FULL ESTIMATED COST 0.42 148.78

FILE 'REGISTRY' ENTERED AT 14:28:08 ON 18 JUL 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 17 JUL 2003 HIGHEST RN 550297-38-6
DICTIONARY FILE UPDATES: 17 JUL 2003 HIGHEST RN 550297-38-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

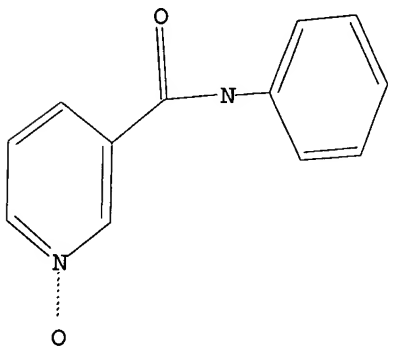
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File; for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10015861n.str

L5 STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l5
SAMPLE SEARCH INITIATED 14:28:25 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 27 TO ITERATE

100.0% PROCESSED 27 ITERATIONS 16 ANSWERS
SEARCH TIME: 00.00.01

Print selected from Online session18/07/2003

result in loss of user privileges and other penalties.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:26:45 ON 18 JUL 2003

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:26:57 ON 18 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 17 JUL 2003 HIGHEST RN 550297-38-6
DICTIONARY FILE UPDATES: 17 JUL 2003 HIGHEST RN 550297-38-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

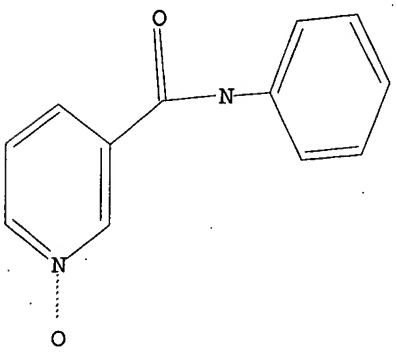
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10015861n.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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=>  s l1
SAMPLE SEARCH INITIATED 14:27:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     27 TO ITERATE

100.0% PROCESSED      27 ITERATIONS                                16 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          229 TO      851
PROJECTED ANSWERS:              80 TO      560

L2            16 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 14:27:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    586 TO ITERATE

100.0% PROCESSED     586 ITERATIONS                               346 ANSWERS
SEARCH TIME: 00.00.01

L3           346 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   148.15     148.36

FILE 'CAPLUS' ENTERED AT 14:27:24 ON 18 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 18 Jul 2003  VOL 139 ISS 4
FILE LAST UPDATED: 17 Jul 2003  (20030717/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> s l3
L4            41 L3

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
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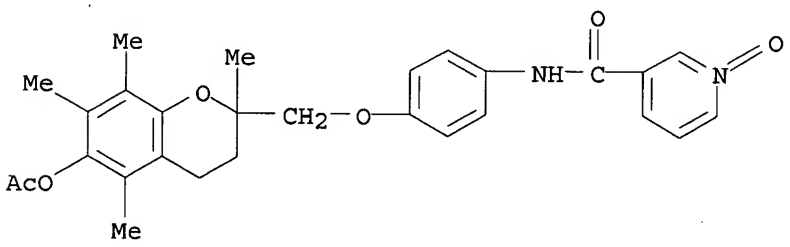
TI Preparation and effect of coumarone analogues as antitumor agents
IN Fujita, Takashi; Wada, Kunio; Oguchi, Minoru; Kurakata, Shinichi
PA Sankyo Company, Limited, Japan
SO PCT Int. Appl., 238 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

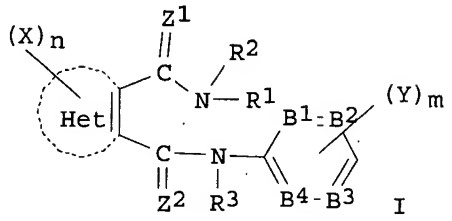
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001005780	A1	20010125	WO 2000-JP4732	20000714
	W: AU, BR, CA, CN, CZ, HU, ID, IL, IN, KR, MX, NO, NZ, PL, RU, TR, US, ZA				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 2001089468	A2	20010403	JP 2000-213985	20000714
PRAI	JP 1999-203159	A	19990716		

OS MARPAT 134:131426
IT **321919-51-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and effect of coumarone analogs as antitumor agents)
RN 321919-51-1 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-[[6-(acetyloxy)-3,4-dihydro-2,5,7,8-tetramethyl-2H-1-benzopyran-2-yl]methoxy]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)

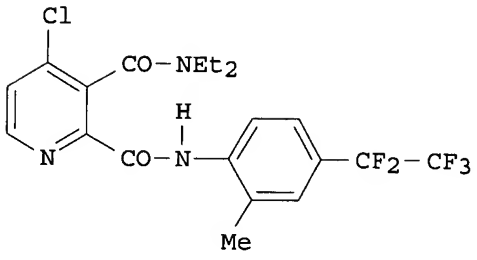


RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 39 CAPLUS COPYRIGHT 2003 ACS
GI



I



II

AB The title compds. I [R1, R2 and R3 represent each H, optionally halogenated C3-6 cycloalkyl, etc.; Het represents a 5- or 6-membered heterocycle; X and Y represent each halocyano, nitro, optionally halogenated C3-6 cycloalkyl, optionally substituted Ph, an optionally substituted heterocycle, etc; n is from 0 to 3; m is from 1 to 5; Z1 and Z2 represent each O or S; and B1 to B4 represent each C or N] are prepd. I have an excellent controlling effect on pest insects such as diamond-back moth (Plutella xylostella) and tobacco cutworm (Spodoptera litura). The title compd. II at 500 ppm gave .gtoreq. 90% control of Plutella xylostella.

AN 2001:12413 CAPLUS

DN 134:71497

TI Preparation of heterocyclic dicarboxylic acid diamide derivatives as agricultural and horticultural insecticides

IN Katsuhira, Takeshi; Furuya, Takashi; Gotoh, Makoto; Tohnishi, Masanori; Takaishi, Hideo; Sakata, Kazuyuki; Morimoto, Masayuki; Seo, Akira

PA Nihon Nohyaku Co., Ltd., Japan

SO PCT Int. Appl., 160 pp.
CODEN: PIXXD2

DT Patent

LA Japanese

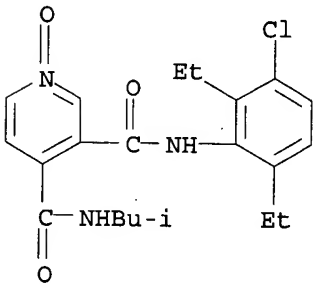
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001000575	A1	20010104	WO 2000-JP4136	20000623
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000011818	A	20020319	BR 2000-11818	20000623
EP 1188745	A1	20020320	EP 2000-940823	20000623
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

TI Preparation of heterocyclic anilides as herbicides
IN Akiyama, Shigeaki; Kondo, Yasuo; Adachi, Michiaki; Mizukoshi, Takashi; Watanabe, Shigeomi; Akiyoshi, Chiaki; Ohki, Tooru; Nakahira, Kunimitsu
PA Nissan Chemical Industries, Ltd., Japan
SO PCT Int. Appl., 256 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9944992	A1	19990910	WO 1999-JP1048	19990304
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9927458	A1	19990920	AU 1999-27458	19990304

PRAI JP 1998-53485 19980305
JP 1998-165661 19980612
JP 1998-268025 19980922
WO 1999-JP1048 19990304
OS MARPAT 131:199705
IT **241469-84-1P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heterocyclic anilides as herbicides)
RN 241469-84-1 CAPLUS
CN 3,4-Pyridinedicarboxamide, N3-(3-chloro-2,6-diethylphenyl)-N4-(2-methylpropyl)-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 14 OF 39 CAPLUS COPYRIGHT 2003 ACS
AB A review with 3 refs. It has been found that arylamides of (iso)nicotinic acids possess analgetic activity. The structure of these arylamides resembles that of serotonin and such a similarity is useful to ascertain their structure-activity relationship.
AN 1999:474097 CAPLUS
DN 131:237346
TI Possibilities for search for new analgesics in the series of arylamides of

isonicotinic and nicotinic acids

AU Bukhtiarova, T. A.; Trinus, F. P.; Danilenko, V. P.; Danilenko, G. I.; Ovruts'kii, V. M.

CS Inst. Farmakol. Toksikol, AMN Ukr., Kiev, Ukraine

SO Dopovidi Natsional'noi Akademii Nauk Ukraini (1998), (8), 162-164
CODEN: DNAUFL; ISSN: 1025-6415

PB Prezidiya Natsional'noi Akademii Nauk Ukraini

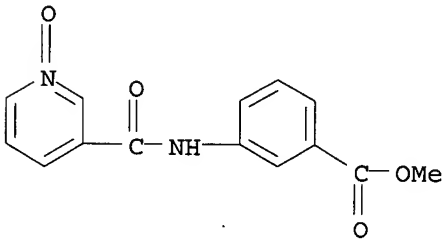
DT Journal; General Review

LA Russian/Ukrainian

IT **65101-44-2**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(search for new analgesics: arylamides of isonicotinic and nicotinic acids)

RN 65101-44-2 CAPLUS

CN Benzoic acid, 3-[[(1-oxido-3-pyridinyl)carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 15 OF 39 CAPLUS COPYRIGHT 2003 ACS

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [one of X, X1 = H, halo, lower alkyl and the other = (un)substituted group X6, X7, X10; R1 = H, lower alkyl; n = 0, 1; Het = 5-6 membered heteroarom. ring contg. 1-3 heteroatoms N, O, S, or 9-10 membered bicyclic heteroarom. ring contg. 1-4 heteroatoms N, O, S; R19 = (un)substituted lower alkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl; R18 = H, any group R19; R20 = (un)substituted lower alkyl, aroyl, lower alkanoyl; Y = CR22R23R24, 3-7 membered ring Y2; R22, R23 = (un)substituted aryl, heteroaryl, lower alkyl; R24 = H, CN, (un)substituted aryl, lower alkyl, with provisos; R25 = lower alkyl, F-(un)substituted lower alkenyl, R26(CH2)m; R26 = aryl, heteroaryl, N3, CN, OH, NO2, amino, lower alkoxy, lower alkoxycarbonyl, lower alkanoyl, lower alkylthio, lower alkylsulfonyl, lower alkylsulfinyl, etc.; Q = bond, (CH2)pO, (CH2)pS, (CH2)p; m = 0-4; p = 0-3; Z = H, lower alkyl] and pharmaceutically acceptable salts and esters thereof, are disclosed which have activity as inhibitors of binding between VCAM-1 and cells expressing integrin VLA-4. Such compds. are useful for treating diseases whose symptoms and /or damage are related to the binding of VCAM-1 to cells expressing VLA-4. Thus, amidation of 4-amino-N-[(1-phenylcyclopentyl)carbonyl]-L-phenylalanine Me ester (prepn. given) with 4-quinolinecarboxylic acid and

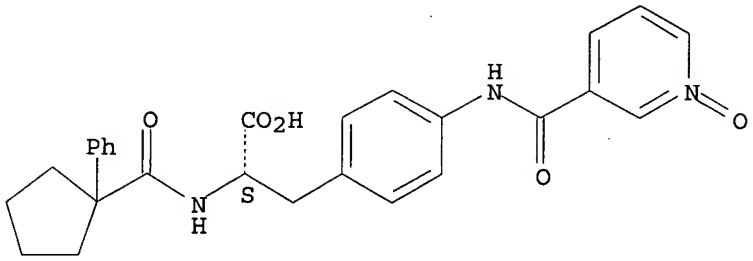
sapon. gave desired title deriv. II as its sodium salt. II inhibited VLA-4 binding to immobilized VCAM-1 with IC50 = 2.7 nM in solid-phase dual antibody assay.

AN 1999:166589 CAPLUS
DN 130:209978
TI Preparation of N-aroylphenylalanine derivatives as vascular cell adhesion molecule-1 (VCAM-1) binding inhibitors
IN Chen, Li; Guthrie, Robert William; Huang, Tai-Nang; Hull, Kenneth G.; Sidduri, Achytharao; Tilley, Jefferson Wright
PA F.Hoffmann-La Roche A.-G., Switz.
SO PCT Int. Appl., 215 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9910313	A1	19990304	WO 1998-EP5144	19980813
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2300121	AA	19990304	CA 1998-2300121	19980813
	AU 9893419	A1	19990316	AU 1998-93419	19980813
	AU 742928	B2	20020117		
	EP 1005446	A1	20000607	EP 1998-946326	19980813
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	BR 9811988	A	20000905	BR 1998-11988	19980813
	JP 2001514163	T2	20010911	JP 2000-507644	19980813
	ZA 9807602	A	19990504	ZA 1998-7602	19980821
	US 6455550	B1	20020924	US 1998-138353	19980821
	US 2003109459	A1	20030612	US 2002-117616	20020405
PRAI	US 1997-56929P	P	19970822		
	US 1998-94591P	P	19980729		
	WO 1998-EP5144	W	19980813		
	US 1998-138353	B3	19980821		

OS MARPAT 130:209978
IT **220876-32-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of N-aroylphenylalanine derivs. as vascular cell adhesion mol.-1 (VCAM-1) binding inhibitors)
RN 220876-32-4 CAPLUS
CN L-Phenylalanine, 4-[[(1-oxido-3-pyridinyl)carbonyl]amino]-N-[(1-phenylcyclopentyl)carbonyl]-, monosodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● Na

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 16 OF 39 CAPLUS COPYRIGHT 2003 ACS

AB Forty two aryl amides of isonicotinic and nicotinic acids were synthesized and tested for anti-inflammatory activity in the rat model of edema. Structure-activity relationships and QSAR are discussed.

AN 1998:161899 CAPLUS

DN 128:289722

TI Structure and anti-inflammatory activity of aryl amides of isonicotinic and nicotinic acids

AU Bukhtiarova, T. A.; Trinus, F. P.; Danilenko, V. F.; Danilenko, G. I.; Ovrutskii, V. M.; Sharykina, N. I.

CS Inst. Farmakol. i Toksikol., AMN Ukrainy, Kiev, Ukraine

SO Khimiko-Farmatsevticheskii Zhurnal (1997), 31(11), 30-32
CODEN: KHFZAN; ISSN: 0023-1134

PB Izdatel'stvo Folium

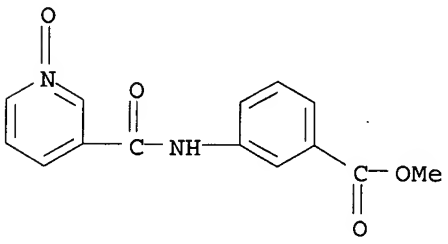
DT Journal

LA Russian

IT **65101-44-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(structure and anti-inflammatory activity of aryl amides of isonicotinic and nicotinic acids)

RN 65101-44-2 CAPLUS

CN Benzoic acid, 3-[[(1-oxido-3-pyridinyl)carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 17 OF 39 CAPLUS COPYRIGHT 2003 ACS

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63002978	A2	19880107	JP 1986-145583	19860620
	JP 07042272	B4	19950510		
PRAI	JP 1986-145583		19860620		

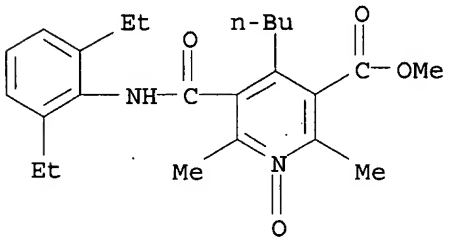
OS CASREACT 109:149360; MARPAT 109:149360

IT **116368-17-3P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as plant growth inhibitor)

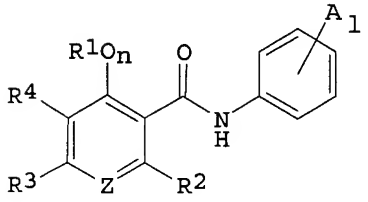
RN 116368-17-3 CAPLUS

CN 3-Pyridinecarboxylic acid, 4-butyl-5-[[(2,6-diethylphenyl)amino]carbonyl]-2,6-dimethyl-, methyl ester, 1-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 23 OF 39 CAPLUS COPYRIGHT 2003 ACS

GI



I

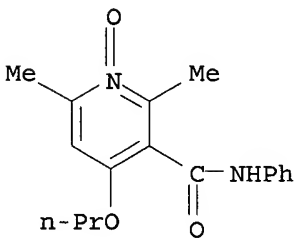
AB Herbicidal compns. contg. pyridine derivs. I [R1 = alkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, alkylthioalkyl, alkoxycarbonylalkyl, cycloalkyl, (substituted) aralkyl, (substituted) aryl, 5- or 6-membered heterocyclyl; R2, R3 = halo-, alkoxy-, or cycloalkyl, (substituted) aralkyl, (substituted) aryl; n = 0, 1; when n = 0, R4 = H, and when n = 1, R4 = H, halo, alkyl, (substituted) aralkyl, (substituted) aryl; R3R4 = (CH2)m; m = 3, 4; A = H, halo, cyano, NO2, NH2, alkyl, haloalkyl, OH, alkoxy, aryloxy, CO2H, alkoxycarbonyl; l = 1-5; Z = N, NO] and at least one of (1) 2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine, (2) 2-(1-cyano-1-methylethylamino)-4-ethylamino-6-chloro-1,3,5-triazine(II), (3) 2-chloro-4,6-bis(ethylamino)-1,3,5-triazine, (4) 2-chloro-2',6'-diethyl-N-methoxymethylacetanilide, (5) 2-ethyl-6-methyl-N-(3-methoxy-2-propyl)chloroacetanilide, (6) Et N-chloroacetyl-N-(2,6-diethylphenyl)glycinate, (7) 3-(3,4-dichlorophenyl)-1,1-dimethylurea(III), and (8) 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea, particularly useful for corn, are described. A mixt. contg. 10 g/are I (R1 = Bu, R2 = R3 = Me, R4 = H, Al = 2,3-di-Me, n = 0, Z = N) (II) and 10 g II/are, applied

Me, R4 = H, Al = 2,6-di-Et, n = 0, Z = N) and 7.5 g II/are, applied post-emergence,showed 100% control of Echinochloa crus-galli, Setaria viridis, and Portulaca oleracea, and no damage on cotton, whereas the components by themselves were less effective. A wettable powder was formulated contg. I (R1 = Bu, R2 = R3 = Me, R4 = H, Al = 2,6-di-Et, Z = NO, n = 0) 20, III 20, talc 40, bentonite 15, Sorpol-9047 2, and Sorpol-5039 3 wt. parts.

AN 1988:468851 CAPLUS
DN 109:68851
TI Wide-spectrum synergistic herbicidal binary compositions containing N-phenylpyridine-3-carboxamide derivatives, for cotton
IN Yagihara, Hiromu; Morishima, Yasuo; Osabe, Hirokazu; Ueda, Yoichiro; Goto, Yukihisa; Masamoto, Kazuhisa; Hirako, Yoshiyuki
PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63017812	A2	19880125	JP 1986-159729	19860709

PRAI JP 1986-159729 19860709
OS MARPAT 109:68851
IT **110727-39-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as component for wide-spectrum synergistic herbicidal binary compns.)
RN 110727-39-4 CAPLUS
CN 3-Pyridinecarboxamide, 2,6-dimethyl-N-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 26 OF 39 CAPLUS COPYRIGHT 2003 ACS
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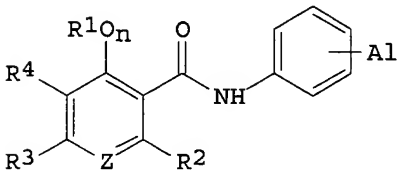


I

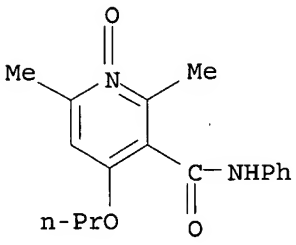
AB Herbicide compns. contg. pyridine derivs. I [R1 = alkyl, alkenyl, alkynyl,

haloalkyl, alkoxyalkyl, alkylthioalkyl, alkoxycarbonylalkyl, cycloalkyl, aralkyl, (substituted) aryl, 5- or 6-membered heterocyclyl; R2, R3 = alkyl, haloalkyl, alkoxyalkyl, cycloalkyl, (substituted) aralkyl, (substituted) aryl; n = 0, 1; when n = 0, R4 = H; when n = 1, R4 = H, halo, alkyl, (substituted) aralkyl, (substituted) aryl; R3R4 = (CH2)m; m = 3, 4; A = H, halo, cyano, NO2, NH3, alkyl, haloalkyl, OH, alkoxy, aryloxy, CO2H, alkoxycarbonyl; l = 1-5; Z = N, N:O] and at least one of 2-chloro-2',6'-diethyl-N-(butoxymethyl)acetanilide; 2-chloro-2',6'-diethyl-N-(propoxyethyl)acetanilide; 2-chloro-N-(2,6-diethylphenyl)-N-[3-methoxythiophen-2-yl)methyl]acetamide; 2-benzothiazol-2-yloxy-N-methylacetanilide; S-4-chlorobenzyl diethylthiocarbamate; S-ethylhexahydro[1H]azepine-1-carbothioate; S-(.alpha.,.alpha.-dimethylbenzyl)-1-piperidinecarbothioate; 4-(2,4-dichlorobenzoyl)-1,3-dimethyl[1H]pyrazol-5-yl p-toluenesulfonate; 4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-phenacyloxypyrazole; 4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-5-(p-methylphenacyl)oxypyrazole; 2-(.beta.-naphthyloxy)propionanilide; 2-(2,4-dichloro-3-methylphenoxy)propionanilide; 3,7-dichloro-8-quinolinecarboxylic acid; N-(.alpha.,.alpha.-dimethylbenzyl)-.alpha.-bromo-tert-butylacetamide; and 1-(.alpha.,.alpha.-dimethylbenzyl)-3-(4-methylphenyl)urea, particularly useful for rice, are described. A mixt. of 2.5 (no units given) I (R1 = Pr; R2 = R3 = Me; R4 = H, n = 0; Al = 2,6-di-Et) and 2.5 2-chloro-N-(2,6-diethylphenyl)-N-[(3-methoxythiophen-2-yl)methyl]acetamide showed 100% control of Echinochloa oryzicola and other weeds, whereas the components by themselves were less effective. Granules were formulated contg. I (R1 = Bu; R2 = R3 = Me; R4 = H, n = 0; Al = 2,6-di-Et) 3, N-(.alpha.,.alpha.-dimethylbenzyl)-.alpha.-bromo-tert-butylacetamide 4, talc 60, bentonite 30, and ligninsulfonate 3 wt. parts.

AN 1988:468849 CAPLUS
DN 109:68849
TI Wide-spectrum synergistic herbicidal binary compositions containing N-phenylpyridine-3-carboxamide derivatives, for rice
IN Yagihara, Hiromu; Morishima, Yasuo; Osabe, Hirokazu; Ueda, Yoichiro; Goto, Yukihisa; Masamoto, Kazuhisa; Hirako, Yoshiyuki
PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 63005005	A2	19880111	JP 1986-150520	19860626
PRAI JP 1986-150520		19860626		

OS MARPAT 109:68849
IT **110727-39-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as component of synergistic herbicidal binary compns., for rice)
RN 110727-39-4 CAPLUS
CN 3-Pyridinecarboxamide, 2,6-dimethyl-N-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 27 OF 39 CAPLUS COPYRIGHT 2003 ACS
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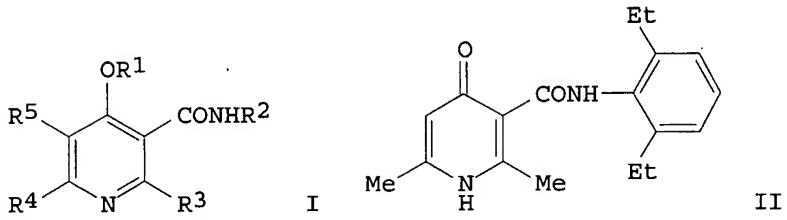
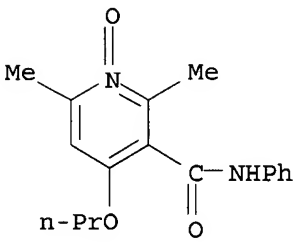


AB The title compds. [I; R1 = alkyl, alkenyl, alkynyl, aralkyl, etc.; R2 = (substituted) aryl; R3, R4 = alkyl, aralkyl, haloalkyl, cycloalkyl, etc.; R5 = H, halo, alkyl, (substituted) phenyl; R4R5 form a ring with (CH2)n (n = 3, 4)], their oxides and salts, useful as plant growth inhibitors, are prepd. Dihydrooxopyridinecarboxanilide II was heated with BuBr and K2CO3 in DMF at 90.degree. for 2 h to give 82% I (R1 = Bu, R2 = 2,6-Et2C6H3, R3 = R4 = Me, R5 = H). The latter inhibited the growth of Oryza sativa by 75% at 20 ppm.

AN 1987:575886 CAPLUS
DN 107:175886
TI (4-Alkoxypyridin-3-yl)carboxanilides as plant growth inhibitors
IN Ueda, Yoichiro; Goto, Yukihisa; Masamoto, Kazuhisa; Hirako, Yoshiyuki; Yagihara, Hiroshi; Morishima, Yasuo; Osabe, Hirokazu
PA Daicel Chemical Industries, Ltd., Japan
SO Fr. Demande, 62 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2576306	A1	19860725	FR 1986-650	19860117
	FR 2576306	B1	19891208		
	JP 62149663	A2	19870703	JP 1985-284744	19851217
	JP 07010846	B4	19950208		
	US 4730051	A	19880308	US 1986-819144	19860115
	GB 2171097	A1	19860820	GB 1986-1034	19860116
	GB 2171097	B2	19871216		
	DE 3601121	A1	19860821	DE 1986-3601121	19860116
PRAI	JP 1985-7665		19850118		
	JP 1985-171673		19850802		
	JP 1985-211821		19850925		

OS CASREACT 107:175886
IT **110727-39-4P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as plant growth inhibitor)
RN 110727-39-4 CAPLUS
CN 3-Pyridinecarboxamide, 2,6-dimethyl-N-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 28 OF 39 CAPLUS COPYRIGHT 2003 ACS
AB FeLX (H2L = meso-.alpha.,.alpha.,.alpha.,.alpha.-tetrakis(o-nicotinamidophenyl)porphyrin, X = Cl, Br, OH, N3) were prepd. and characterized. FeLCl.CHCl3.H2O is monoclinic, space group p21/c, with a 14.739(6), b 21.924(7), c 19.524(6) .ANG., .beta. 101.03(3).degree., z = 4, V = 6192.4 .ANG.3, 5042 unique reflections, and R = 0.104. The structure consists of polymeric chains, with the Fe atom of 1 mol. coordinated to a pyridine N of the nicotinamide unit of a 2nd mol. The Cl- occupies the 6th coordination site, inside the pocket of the 4 nicotinamide groups. The Fe is displaced 0.109(1) .ANG. from the mean plane of the porphyrin toward the Cl-. Long Fe-Cl (2.31(2) .ANG.) and Fe-N(py) (2.085(6 .ANG.) distances and an av. Fe-N(porphyrin) distance of 2.042(8) .ANG. indicate an essentially high-spin Fe, which is accommodated by an S4 ruffling of the porphyrin. Magnetic susceptibility, ESR, and Moessbauer data on solid samples and electronic, ESR and NMR data on solns. were interpreted.
AN 1984:78821 CAPLUS
DN 100:78821
TI Unusual structural, chemical, and magnetic properties of mononuclear iron(III) complexes of the potentially binucleating ligand meso-.alpha.,.alpha.,.alpha.,.alpha.-tetrakis(o-nicotinamidophenyl)porphyrin
AU Gunter, Maxwell J.; McLaughlin, George M.; Berry, Kevin J.; Murray, Keith S.; Irving, Mark; Clark, Paul E.
CS Res. Sch. Chem., Aust. Natl. Univ., Canberra, 2600, Australia
SO Inorganic Chemistry (1984), 23(3), 283-300
CODEN: INOCAJ; ISSN: 0020-1669
DT Journal
LA English
IT **88035-71-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 88035-71-6 CAPLUS
CN Iron, .mu.-oxobis[[N,N',N'',N'''-(21H,23H-porphine-5,10,15,20-tetrayltetra-2,1-phenylene)tetrakis[3-pyridinecarboxamide] 1,1',1'',1'''-tetraoxidato](2-)-N21,N22,N23,N24]di-, stereoisomer (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L8 ANSWER 29 OF 39 CAPLUS COPYRIGHT 2003 ACS
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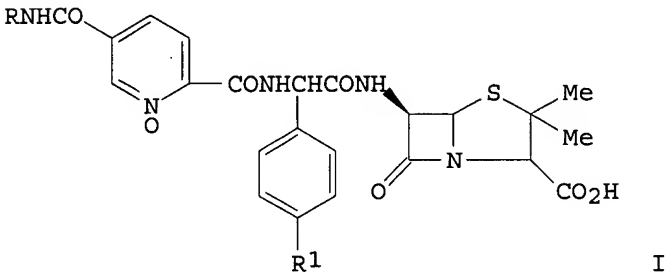
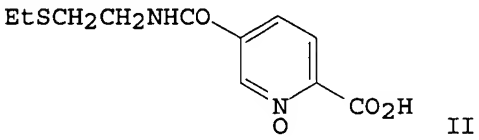


I



II

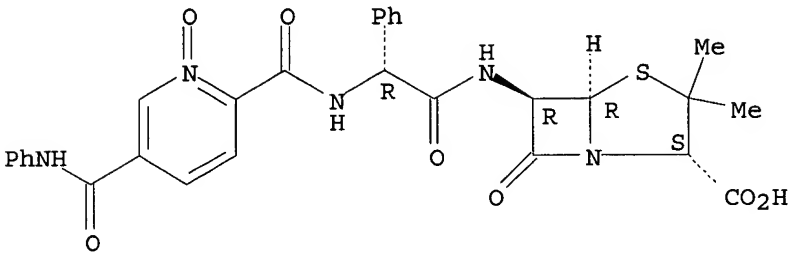
AB Ninety-one penicillin derivs. (I; R = alkyl, alkenyl, aryl, aralkyl, heterocycle, etc.; R1 = H, HO), effective bactericides at 0.1-12.5 mg/.mu.L, were prepd. Thus, 2 mmol ClCO2CH2CHMe2 was added to a soln. of 2 mmol II and 2 mmol Et3N in DMF at -30.degree. to -20.degree. to give a mixed anhydride, which was treated with 2.4 mmol ampicillin trihydrate and 3 mmol Et3N in aq. DMF to give 700 mg I.Na (R = EtSCH2CH2).

AN 1984:68067 CAPLUS
DN 100:68067
TI Penicillin derivatives
PA Banyu Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 28 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 58131987	A2	19830806	JP 1982-14297	19820202
PRAI JP 1982-14297		19820202		

IT **83644-25-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and antibacterial activity of)
RN 83644-25-1 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-[[[[[1-oxido-5-[(phenylamino)carbonyl]-2-pyridinyl]carbonyl]amino]phenylacetyl]amino]-7-oxo-, monosodium salt, [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● Na

L8 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2003 ACS
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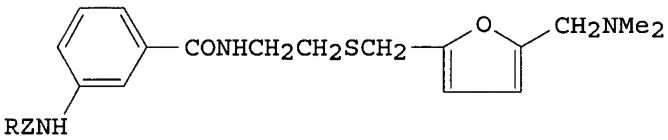


I

AB Amides I (Z = CO, SO2; R = alkyl, Ph, pyridyl, N-oxidopyridyl, pyrazinyl, thienyl), which showed antihistaminic and anti-ulcer activity, were prepd. from benzoate esters. Thus, 3-AcNHC6H4CO2C6H4NO2-4 reacted with 2-aminoethyl 5-[(dimethylamino)methyl]furfuryl sulfide at 40.degree. to give I (R = Me, Z = CO).
AN 1983:438231 CAPLUS
DN 99:38231
TI Aminobenzamides, their salts and pharmaceutical compositions containing them
IN Nisato, Dino; Boveri, Sergio; Bianchetti, Alberto; Roncucci, Romeo; Carminati, Paolo
PA Sanofi, Fr.
SO Eur. Pat. Appl., 27 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 69664	A1	19830112	EP 1982-401252	19820705
	EP 69664	B1	19850403		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	FR 2509305	A1	19830114	FR 1981-13420	19810708
	FR 2509305	B1	19860418		
	FR 2515181	A1	19830429	FR 1981-19967	19811023
	FR 2515181	B1	19840406		
	FR 2518097	A1	19830617	FR 1981-23084	19811210
	FR 2518097	B1	19840629		
	AU 8285134	A1	19830113	AU 1982-85134	19820623

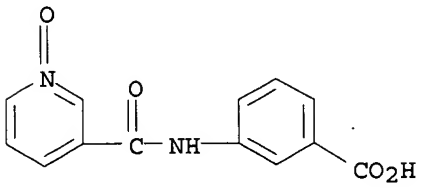
	AU 547405	B2	19851017		
	NO 8202122	A	19830110	NO 1982-2122	19820624
	ZA 8204593	A	19830427	ZA 1982-4593	19820628
	AT 12496	E	19850415	AT 1982-401252	19820705
	IL 66227	A1	19850731	IL 1982-66227	19820705
	CS 229935	P	19840716	CS 1982-5164	19820706
	FI 8202408	A	19830109	FI 1982-2408	19820707
	DK 8203059	A	19830109	DK 1982-3059	19820707
	ES 513792	A1	19830816	ES 1982-513792	19820707
	DD 202433	A5	19830914	DD 1982-241472	19820707
	US 4439444	A	19840327	US 1982-396100	19820707
	HU 30700	O	19840328	HU 1982-2215	19820707
	HU 189599	B	19860728		
	CA 1190927	A1	19850723	CA 1982-406813	19820707
	JP 58015967	A2	19830129	JP 1982-117880	19820708
PRAI	FR 1981-13420		19810708		
	FR 1981-19967		19811023		
	FR 1981-23084		19811210		
	EP 1982-401252		19820705		

OS CASREACT 99:38231

IT **62833-95-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(amidation of, by aminoethyl furfuryl sulfide deriv.)

RN 62833-95-8 CAPLUS

CN Benzoic acid, 3-[[(1-oxido-3-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)



L8 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS

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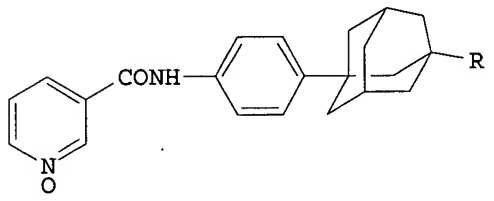
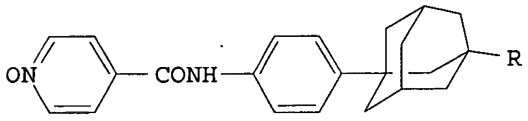


I

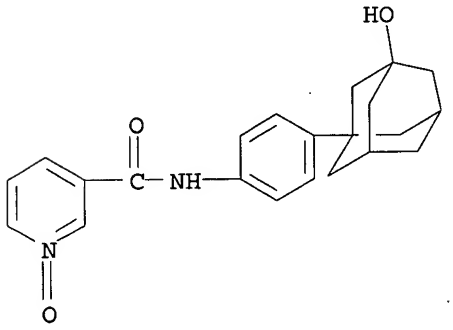


II

AB Reaction of the appropriate adamantylanilines with pyridinecarbonyl chlorides gave I and II (R = Cl, OH, CH2OH, CO2Me) (8 compds.). The

prepn. of the adamantylanilines was described.

AN 1983:16550 CAPLUS
DN 98:16550
TI Synthesis of N-adamantyl-substituted amides of the N-oxides of nicotinic and isonicotinic acid
AU Dovgan, N. L.; Zosim, L. A.; Rutkovskii, E. K.
CS USSR
SO Vestnik Kievskogo Politekhnicheskogo Instituta, Khimicheskoe Mashinostroenie i Tekhnologiya (1982), 19, 9-15
CODEN: VKMTAC; ISSN: 0372-6045
DT Journal
LA Russian
OS CASREACT 98:16550
IT **84021-05-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 84021-05-6 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-(3-hydroxytricyclo[3.3.1.13,7]dec-1-yl)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS
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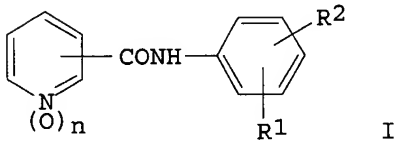
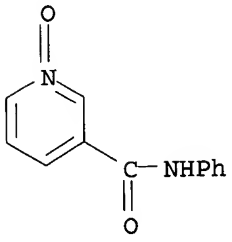


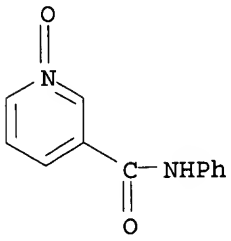
I

AB Substituted pyridinecarboxylic acid anilides and their N-oxides I (R1 and R2 = H, halo, or alkyl; n = 0 or 1) are acaricides for control of plant pest mites. Thus, spraying apple trees with 10% N-(4-chlorophenyl)-3-pyridine carboxamide [14547-72-9] controlled Panenchus ulmi by 94.1%. Synthesis was given.

AN 1983:1684 CAPLUS
DN 98:1684
TI Acaricide compositions
IN Lettau, Herbert; Mueller, Joachim; Bergmann, Ingrid; Schubert, Hermann; Seewald, Ingrid; Weiser, Hannelore
PA Ger. Dem. Rep.



L8 ANSWER 39 OF 39 CAPLUS COPYRIGHT 2003 ACS
GI For diagram(s), see printed CA Issue.
AB Benzoylpyridine oximes and their N-oxides were synthesized and their syn-phenyl (I and II) and anti phenyl (III and IV) isomers were characterized from the Beckmann reaction. The following compds. were identified: [pyridyl attachment, m.p. I and III, and m.p. (decompn.) II and IV given]: 2, 151-2.5.degree., 163-4.5.degree., -, 219-22.degree.; 3, 141-3.degree., 162-3.degree., 222-4.degree., 178-80.degree.; 4, 152-5.degree., 186-8.degree., 229-30.degree., 222-3.degree..
AN 1967:85680 CAPLUS
DN 66:85680
TI Beckmann rearrangement of benzoylpyridine oximes and their N-oxides
AU Kato, Tetsuzo; Goto, Yoshinobu; Chiba, Takuo
CS Tohoku Univ., Sendai, Japan
SO Yakugaku Zasshi (1966), 86(11), 1022-6
CODEN: YKKZAJ; ISSN: 0031-6903
DT Journal
LA Japanese
IT **14178-43-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 14178-43-9 CAPLUS
CN 3-Pyridinecarboxamide, N-phenyl-, 1-oxide (9CI) (CA INDEX NAME)



Print selected from Online session18/07/2003

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 229 TO 851
PROJECTED ANSWERS: 80 TO 560

L6 16 SEA SSS SAM L5

=> s l5 ful
FULL SEARCH INITIATED 14:28:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 586 TO ITERATE

100.0% PROCESSED 586 ITERATIONS 340 ANSWERS
SEARCH TIME: 00.00.01

L7 340 SEA SSS FUL L5

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 148.15 296.93

FILE 'CAPLUS' ENTERED AT 14:28:44 ON 18 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 18 Jul 2003 VOL 139 ISS 4
FILE LAST UPDATED: 17 Jul 2003 (20030717/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l7
L8 39 L7

=> d abs bib fhitstr 1-39

L8 ANSWER 1 OF 39 CAPLUS COPYRIGHT 2003 ACS
AB Compds. R3-Z-L1-aryl [aryl is a benzene ring having certain substituents R1, R2, R4; L1 is L4-NR5-L5, L4-O-L5, L4-S(O)m-L5, etc., where L4 and L5 are absent or alk(en)ylene, R5 is H, alkanoyl, alkoxy, alkoxyalkyl, etc.; m = 0-2; Z is a covalent bond, O, S(O)m, an imino group; R3 = (un)substituted pyridyl or imidazolyl; or L1, Z, and R3 together are aminoalkyl, haloalkyl, halo, carboxaldehyde, (carboxaldehyde)alkyl, or hydroxyalkyl (R1 .noteq. H) or L1, Z, R3, and R4 together are an (un)substituted pyrrolidinone ring] were prepd. as inhibitors of protein isoprenyl transferases. Thus, N-[4-(3-pyridylcarbonylamino)-2-

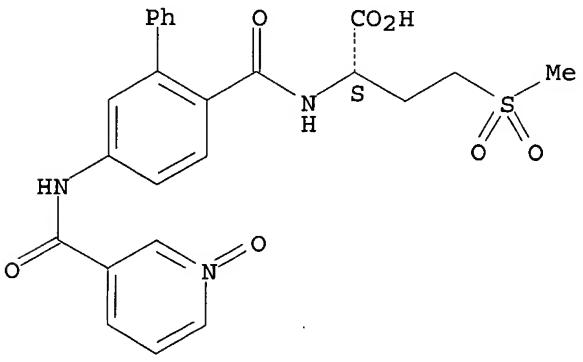
phenylbenzoyl]methionine hydrochloride, prepd. via amidation reaction, showed 93% inhibition of farnesyl transferase at 1x10-5 M.

AN 2002:965163 CAPLUS
DN 138:39539
TI Preparation of amino acid derivatives as inhibitors of protein isoprenyl transferases
IN Sebti, Said M.; Hamilton, Andrew D.; Augeri, David J.; Barr, Kenneth J.; Donner, Greg B.; Fakhoury, Stephen A.; O'Connor, Stephen J.; Rosenberg, Saul H.; Shen, Wang; Szczepankiewicz, Bruce G.; Gunawardana, Indrani W.
PA University of Pittsburgh, USA
SO U.S. Pat. Appl. Publ., 499 pp., Cont.-in-part of U.S. Ser. No. 852,858, abandoned.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 8

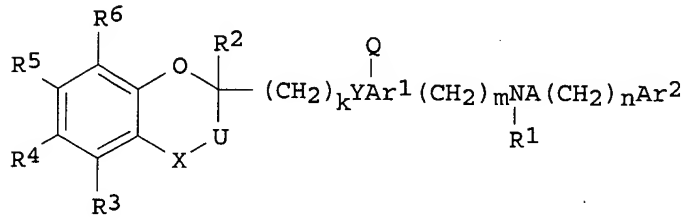
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002193596	A1	20021219	US 2001-984411	20011030
PRAI	US 1995-7247P	P	19951106		
	US 1996-740909	B2	19961105		
	US 1997-852858	B2	19970507		

OS MARPAT 138:39539
IT **478907-95-8P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of amino acid derivs. as inhibitors of protein isoprenyl transferases)
RN 478907-95-8 CAPLUS
CN Butanoic acid, 4-(methylsulfonyl)-2-[[[5-[[(1-oxido-3-pyridinyl)carbonyl]amino][1,1'-biphenyl]-2-yl]carbonyl]amino]-, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 2 OF 39 CAPLUS COPYRIGHT 2003 ACS
GI



I

AB The invention provides chroman derivs. I (R1 = H, C1-6 alkyl, etc.; R2 = H, C1-6 alkyl, etc.; R3, R4, R5, R6 = H, C1-6 alkyl, etc.; X = single bond, CO, C:NOR7, etc.; R7, R8 = H, C1-6 alkyl, C2-6 alkenyl, etc.; A = CO, SO2; U = CH2, etc.; Y = O, S; Q = H, nitro, OH, etc.; k = 1-6; m, n = 0-8; Ar1 = benzene ring, etc.; Ar2 = benzene ring, etc.) as antitumor agents. The antitumor effect of N-[2-[4-(6-acetoxy-4-oxo-2,5,7,8-tetramethylchroman-2-ylmethoxy)phenyl]ethyl]-nicotinamide in SK-N-MC and D283-Med cells was examd. Also, a capsule contg. N-[4-(6-acetoxy-2,5,7,8-tetramethylchroman-2-ylmethoxy)phenyl]-nicotinamide 100 mg was prepd.

AN 2002:728847 CAPLUS

DN 137:257628

TI Antitumor agents containing novel chroman derivatives

IN Fujita, Takashi; Wada, Kunio; Oguchi, Minoru; Kurakata, Shinichi

PA Sankyo Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 101 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

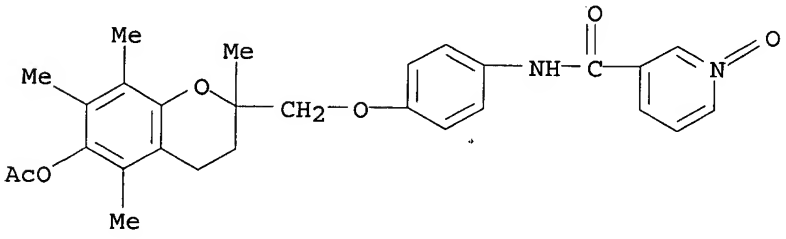
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2002275064	A2	20020925	JP 2002-5560	20020115
PRAI JP 2001-6574	A	20010115		

OS MARPAT 137:257628

IT **321919-51-1P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(chroman derivs. as antitumor agents)

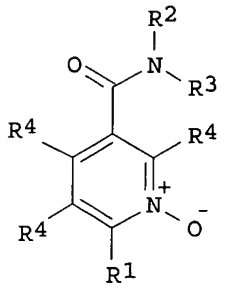
RN 321919-51-1 CAPLUS

CN 3-Pyridinecarboxamide, N-[4-[[6-(acetyloxy)-3,4-dihydro-2,5,7,8-tetramethyl-2H-1-benzopyran-2-yl]methoxy]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2003 ACS

GI



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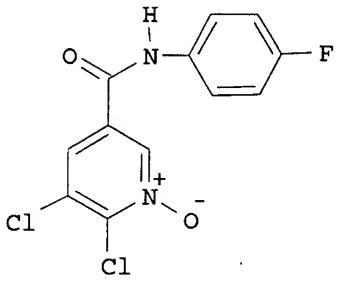


II

AB Title compds. I, their optical isomers, diastereomers, enantiomers and pharmaceutically acceptable salts [wherein: R1 = R5, R5-heteroalkylene; R5 = H, halo, alkyl, heteroalkyl, etc.; R2, R3 = H, alkyl, heteroalkyl, aryl, etc.; R4 = H, halo, alkyl, heteroalkyl, etc.] were claimed. For example, hydrogen peroxide mediated N-oxidn. of 2-chloro-N-(4-fluorophenyl)-6-methylnicotinamide provided claimed oxynicotinamide II in 10% yield. Nicotinanilide N-oxides I are disclosed to inhibit chemokine-mediated cellular and inflammation events. Specific binding of 95 claimed examples to human interleukin 8 and human growth-regulatory oncogene-.alpha. (GRO-.alpha.) chemokine were reported as < or > 40% at 20 .mu.M ligand concn., e.g., compd. II > 40% for GRO-.alpha., were disclosed. Also, the specific binding of 9 claimed examples to human chemokine CCR5, human interleukin-CXCR1, human interleukin-CXCR2, human neuropeptide Y1 and somatostatin, e.g., compd. II: < 40% for CCR5, somatostatin; > 40% for CXCR1, CXCR2; no data for NYP1, were disclosed. A method for the identification of nicotinanilide-N-oxides. I receptors from cell or cellular components and the isolation of compds. I which bind to TNF-.alpha. signaling proteins via affinity bead chromatog. and surface plasmon resonance (SPR) are claimed (no data).

AN 2002:521710 CAPLUS

DN 137:93690

TI Preparation of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist for the treatment of inflammation due to neutrophil chemotaxis

IN Cutshall, Neil S.; Yager, Kraig M.

PA Darwin Discovery Ltd., UK

SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053544	A1	20020711	WO 2001-US47543	20011212

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,

BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003004189 A1 20030102 US 2001-15861 20011212

PRAI US 2000-258730P P 20001229

OS MARPAT 137:93690

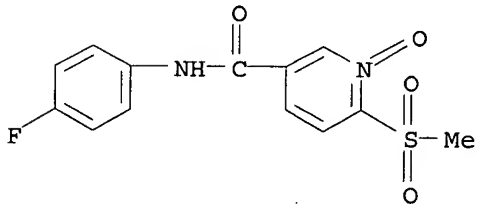
IT **364078-34-2P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)

RN 364078-34-2 CAPLUS

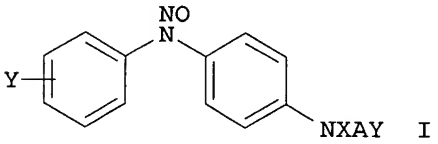
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(methylsulfonyl)-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 39 CAPLUS COPYRIGHT 2003 ACS

GI



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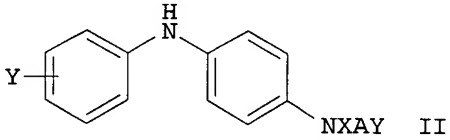


II

AB Title compds. [I; X, Ra = H, (unsatd.) aliphatyl, AY; A = CO, SO2, CONRa, CONRaSO2; T = H, halo, NO2, cyano, (unsatd.) (halogenated) aliphatyl optionally interrupted by O and/or S; Y = org. substituent; with provisos], and des-nitroso compds. (II; variables as above), were prepd. Thus, a mixt. of nicotinoyl chloride hydrochloride, 4-amino-4'-methoxy-N-tert-butoxycarbonyldiphenylamine, and Et3N was stirred in CH2Cl2 to give 100% 4-nicotinoylamino deriv. which was N-deprotected with CF3CO2H to give 95.2% 4-methoxy-4'-nicotinoylaminodiphenylamine. The latter in HOAc was treated dropwise with aq. NaNO2 to give 88% N-nitroso-4-methoxy-4'-nicotinoylaminodiphenylamine. Tested II inhibited oxidn. of human low mol. wt. lipoproteins by Cu2+ with IC50 = 1.7-13.4 .mu.M.

AN 2002:275953 CAPLUS

DN 136:309851

TI Preparation of diphenylamines and N-nitrosodiphenylamines for treatment of oxidative stress and unavailability of endothelial nitric oxide.

IN Lardy, Claude; Nioche, Jean-Yves; Caputo, Lidia; Decerprit, Jacques; Ortholand, Jean-Yves; Festal, Didier; Guerrier, Daniel

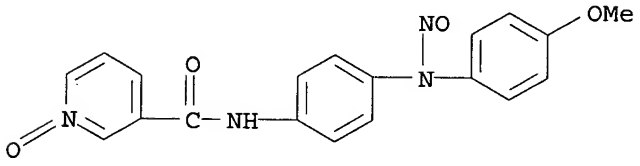
PA Merck Patent G.m.b.H., Germany

SO PCT Int. Appl., 142 pp.

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002028820	A1	20020411	WO 2001-EP10761	20010918
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2815030	A1	20020412	FR 2000-12749	20001005
AU 2001089891	A5	20020415	AU 2001-89891	20010918
EP 1322598	A1	20030702	EP 2001-969732	20010918
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI FR 2000-12749	A	20001005		
WO 2001-EP10761	W	20010918		

OS MARPAT 136:309851
IT **409351-17-3P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of diphenylamines and N-nitrosodiphenylamines for treatment of oxidative stress and unavailability of endothelial nitric oxide)
RN 409351-17-3 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-[(4-methoxyphenyl)nitrosoamino]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2003 ACS
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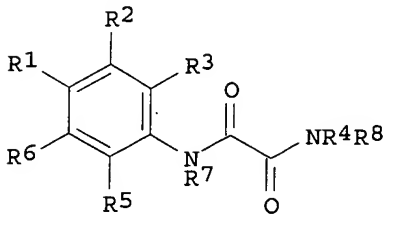


I

AB Title compds. (I; R1 = heterocyclyl; R2 = H, alkyl, alkoxy, halo, OH, cyano; R3 = H, alkyl, alkoxy, halo, cyano; R4 = H, alkyl, cycloalkyl, aryl, heterocyclyl; R5 = H, alkyl, alkoxy, halo, cyano; R6 = H, alkyl, alkoxy, halo, cyano; R7, R8 = H, alkyl; R4R8N = heterocyclyl), were prepd. Thus, 1,1-dimethyl-3-(4-nitrophenoxy)propylamine (prepn. given) was coupled with N-[3-methoxy-4-(5-oxazolyl)phenyl]oxamic acid in the presence of 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide and 1-hydroxy-7-azabenzotriazole to give N-[3-methoxy-4-(5-oxazolyl)phenyl]-N'-[1,1-dimethyl-3-(4-nitrophenoxy)propyl]oxalamide. Tested I inhibited IMPDH with IC50 = 0.010-0.277 .mu.M. I can be used for treating immune mediated conditions or diseases, viral diseases, bacterial diseases, parasitic diseases, inflammation, inflammatory diseases, hyperproliferative vascular diseases, tumors, and cancer.

AN 2001:631913 CAPLUS

DN 135:195556

TI Preparation of azolylphenyl oxamides as inosine monophosphate dehydrogenase (IMPDH) inhibitors

IN Broadhurst, Michael John; Hill, Christopher Huw; Hurst, David Nigel; Jones, Philip Stephen; Kay, Paul Brittain; Kilford, Ian Reginald; Mckinnell, Robert Murray

PA F. Hoffmann-La Roche A.-G., Switz.

SO Eur. Pat. Appl., 256 pp.
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1127883	A2	20010829	EP 2001-103521	20010216
	EP 1127883	A3	20020807		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 2002052513	A1	20020502	US 2001-779116	20010208
	CA 2337588	AA	20010824	CA 2001-2337588	20010220
	HR 2001000127	A1	20011231	HR 2001-127	20010221
	NO 2001000900	A	20010827	NO 2001-900	20010222
	CN 1310179	A	20010829	CN 2001-104906	20010223
	BR 2001000790	A	20010925	BR 2001-790	20010223
	JP 2001261663	A2	20010926	JP 2001-51064	20010226
PRAI	GB 2000-4392	A	20000224		
	GB 2000-15877	A	20000628		
	GB 2000-20322	A	20000817		

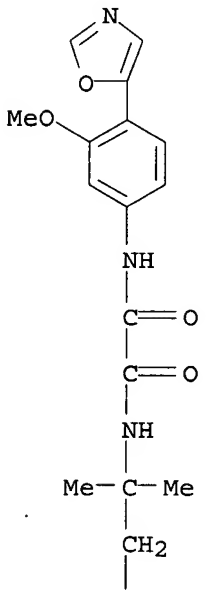
OS MARPAT 135:195556

IT **357180-48-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of azolylphenyl oxamides as inosine monophosphate dehydrogenase (IMPDH) inhibitors)

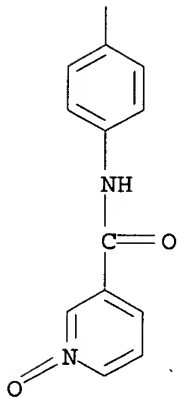
RN 357180-48-4 CAPLUS

CN Ethanediamide, N-[1,1-dimethyl-2-[4-[[(1-oxido-3-pyridinyl)carbonyl]amino]phenyl]ethyl]-N'-[3-methoxy-4-(5-oxazolyl)phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



L8 ANSWER 6 OF 39 CAPLUS COPYRIGHT 2003 ACS
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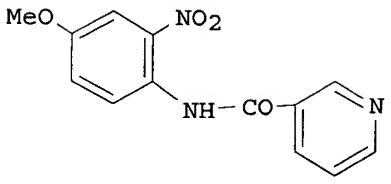


I

AB Title compds. [Ar1CONR11Ar; Ar, Ar1 independently = aryl, heteroaryl with less than two nitrogen; R11 = H, alkyl, cycloalkyl, aryl, heteroaryl], or a pharmaceutically acceptable salt, or prodrug thereof are prepd. and method of treating a disorder responsive to the induction of apoptosis in mammal in need of treatment. The present invention relates to the discovery that title compds. are activators of caspase and inducers of apoptosis. Title compds. of this invention may be used to induce cell death in a variety of clin. conditions in which uncontrolled growth and spread of abnormal cells occurs. Thus, the title compd. I was prepd. and biol. tested for caspase activity with cancer cell lines T47D and ZR75-1, for induced nuclear fragmentation and mitotic arrest in Jurkat cells, and for cell cycle arrest and apoptosis in solid tumor cell lines.

AN 2001:565011 CAPLUS

DN 135:137520

TI Preparation of benzoylamides, nicotinamides, pyrimidinecarboxamides, pyrrolylcarboxamides, and analogs as activators of caspase and inducers of apoptosis and the use thereof

IN Cai, Sui Xiong; Drewe, John A.

PA Cytovia, Inc., USA

SO PCT Int. Appl., 90 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

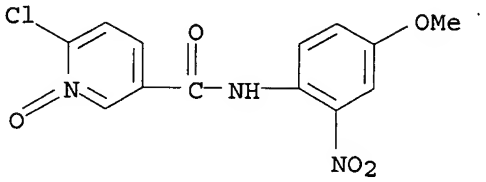
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001055115	A1	20010802	WO 2001-US2478	20010126
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2002010185	A1	20020124	US 2001-769420	20010126
	EP 1257536	A1	20021120	EP 2001-903311	20010126
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2003520854	T2	20030708	JP 2001-555057	20010126
PRAI	US 2000-177648P	P	20000127		
	WO 2001-US2478	W	20010126		

OS MARPAT 135:137520

IT **352228-60-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of benzamides, nicotinamides, pyrimidinecarboxamides, pyrrolylcarboxamides, and analogs as activators of caspase and inducers of apoptosis and use thereof)

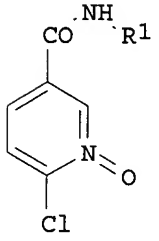
RN 352228-60-5 CAPLUS

CN 3-Pyridinecarboxamide, 6-chloro-N-(4-methoxy-2-nitrophenyl)-, 1-oxide (9CI) (CA INDEX NAME)

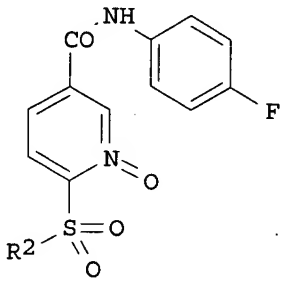


RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 39 CAPLUS COPYRIGHT 2003 ACS
GI



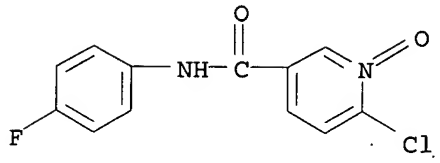
I



II

AB A series of nicotinamide N-oxides, I [R1 = 4-F-, 4-I-, 4-Me3C-, 2-HO-, 4-MeO-C6H4, Ph2CH-, 4-F-C6H4CH2-, cyclohexyl] and II [R2 = Me-, Et-, Me2CH-, Ph-, 4-HO2CC6H4-, PhCH2-, cyclopentyl], was synthesized and shown to be novel, potent, and selective antagonists of the CXCR2 receptor. Furthermore, these compds. showed significant functional activity against GRO-.alpha.-driven human neutrophil chemotaxis. Compds. of this class may be useful for the treatment of inflammatory, auto-immune, and allergic disorders.

AN 2001:518633 CAPLUS
DN 135:272846
TI Nicotinamide N-Oxides as CXCR2 antagonists
AU Cutshall, N. S.; Ursino, R.; Kucera, K. A.; Latham, J.; Ihle, N. C.
CS Department of Chemistry, Celltech R&D, Inc., Bothell, WA, 98021, USA
SO Bioorganic & Medicinal Chemistry Letters (2001), 11(14), 1951-1954
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 135:272846
IT **364078-26-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and anti-inflammatory structure-activity relationships of nicotinamide N-oxides as CXCR2 antagonists)
RN 364078-26-2 CAPLUS
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2003 ACS
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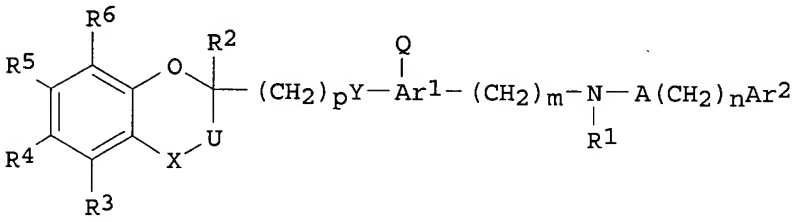

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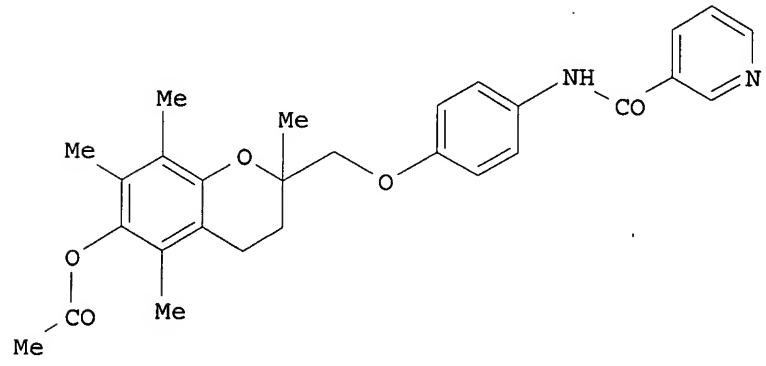

II

AB Title coumarone analogs [I; wherein R1 is hydrogen, C1-C6 alkyl; R2 is hydrogen, C1-C6 alkyl; R3, R5 are each independently hydrogen, C1-C6 alkyl; R4, R6 are each independently hydroxy, C1-6 alkyl, NH2, acetoxy, methoxymethoxy; X is a single bond, C=O, C=NOR7; R7 and R8 are each independently hydrogen, C1-C6 alkyl, C2-C6 alkenyl; A is C=O, SO2; U is CH2, or the like; Y is O or S; Q is hydrogen, nitro, hydroxyl; p is an integer of 1 to 6; m and n are each independently an integer of 0 to 8; and Ar1 and Ar2 are each benzene ring or pyridine ring] exhibiting excellent antitumor activities are prepd. and formulation are discussed. Thus, title compd. II was prepd. and tested.
AN 2001:63989 CAPLUS
DN 134:131426